

**What is claimed is:**

**[Claim 1]**            1. A bluetooth device connectable to audio equipment, suitable for connecting a stereo headset and suitable for transceiving signal in a mobile communication device and an audio equipment, wherein the mobile communication device comprises a first bluetooth transceiver, the audio equipment comprises a first audio-out port, and the bluetooth device comprises:

a second audio-out port for connecting the stereo headset;

a second bluetooth transceiver connected to the second audio-out port for communicating with the first bluetooth transceiver to transceive signal provided by the mobile communication device; and

an audio-in port connected to the second audio-out port for connecting to the first audio-out port of the audio equipment,

wherein when a calling signal from the mobile communication device is received by the second bluetooth transceiver, the audio signal transmitted to the stereo headset is switched to the audio signal provided by the mobile communication device.

**[Claim 2]**            2. The bluetooth device connectable to audio equipment of claim 1, wherein the audio-in port is connected to the first audio-out port of the audio equipment via a connection cable.

**[Claim 3]**            3. The bluetooth device connectable to audio equipment of claim 2, further comprising:

a microphone connected to the second bluetooth transceiver; and  
a speaker connected to the second bluetooth transceiver.

**[Claim 4]**            4. The bluetooth device connectable to audio equipment of claim 1, further comprising a battery for supplying power to the bluetooth device.

**[Claim 5]**            5. The bluetooth device connectable to audio equipment of claim 1, wherein the audio equipment comprises a MP3 player, a CD player, a TV, a radio, a VCD player, a DVD player, a laptop

computer, a Personal Digital Assistant (PDA), a car stereo, or a home stereo system.

[Claim 6] 6. A bluetooth headset connectable to audio equipment, suitable for transceiving signal in a mobile communication device and an audio equipment, wherein the mobile communication device comprises a first bluetooth transceiver, and the bluetooth headset is connected to an audio-out port of the audio equipment via a connection cable, and the bluetooth headset comprises:

a first unit comprising a first speaker, a second bluetooth transceiver, and an audio-in port, wherein the first speaker is connected to the second bluetooth transceiver and the audio-in port, the second bluetooth transceiver communicates with the first bluetooth transceiver for transceiving signal from the mobile communication device, and the audio-in port is for connecting the connection cable;

a microphone connected to the second bluetooth transceiver; and

a second unit comprising a second speaker, which is connected to the second bluetooth transceiver and the audio-in port,

wherein when a calling signal from the mobile communication device is received by the second bluetooth transceiver, at least one of the audio signals transmitted to the first speaker and the second speaker is switched to the audio signal provided by the mobile communication device.

[Claim 7] 7. The bluetooth headset connectable to audio equipment of claim 6, wherein a battery is further configured in the second unit for supplying power to the bluetooth headset.

[Claim 8] 8. The bluetooth headset connectable to audio equipment of claim 6, wherein the audio equipment comprises a MP3 player, a CD player, a TV, a radio, a VCD player, a DVD player, a laptop computer, a Personal Digital Assistant (PDA), a car stereo, or a home stereo system.